IN THE CLAIMS

- (Currently Amended) A semiconductor device, comprising:
- a semiconductor substrate having a surface formed with a first recessed region;
- a first dielectric material deposited in the first recessed region and formed with a second recessed region having walls; and
- a second dielectric material formed over the first dielectric material by thermally oxidizing a semiconductor cap layer formed above the first dielectric material and adjacent to the second recessed region to seal the second recessed region.
- a second dielectric material thermally grown over the first dielectric material to seal the second recessed region, wherein a wall of the second recessed region is substantially absent-second-dielectric-material.
- 2. (Original) The semiconductor device of claim 1, further comprising an active device formed in an active region of the semiconductor substrate.
- (Original) The semiconductor device of claim 1, further comprising an electrical component formed over the second recessed region.
- 4. (Original) The semiconductor device of claim 3, wherein the electrical component comprises a passive device or bonding pad of the semiconductor device.

- 5. (Currently Amended) The semiconductor device of claim
- 1, wherein the semiconductor substrate is formed with silicon second dielectric material is formed by thermally oxidizing a polysilicon cap layer.
- 6. (Original) The semiconductor device of claim 1, wherein the first dielectric material includes deposited silicon dioxide.
- 7. (Original) The semiconductor device of claim 1, wherein the second recessed region is formed having a third dielectric material deposited on the walls.
- 8. (Original) The semiconductor device of claim 1, wherein the second dielectric material is formed with thermally grown silicon dioxide.
- 9. (Currently Amended) The semiconductor device of claim 1, wherein the first dielectric material includes a cap layer a portion of the semiconductor cap layer remains above the first dielectric material.
- 10. (Currently Amended) The semiconductor device of claim 1 [[9]], wherein the cap layer includes a chemical vapor deposition film all of the semiconductor cap layer is exidized to form the second dielectric material.
- 11. (Currently Amended) The semiconductor device of claim 1, where wherein the second recessed region extends into the semiconductor substrate to the depth of at least five micrometers.

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12. (Withdrawn) A method of making a semiconductor device, comprising the steps of:

masking a material to form dielectric pillars in a recessed region; and

oxidizing a cap layer to form a seal over regions between the dielectric pillars.

- 13. (Withdrawn) The method of claim 12 wherein the material is formed with deposited silicon dioxide.
- 14. (Withdrawn) The method of claim 12, wherein the step of masking further comprises the steps of: depositing the cap layer over the semiconductor material; removing portions of the cap layer to expose the underlying semiconductor material; and etching the exposed underlying semiconductor material to form the dielectric pillars.
- 15. (Withdrawn) The method of claim 14, wherein the cap layer is formed with chemical vapor deposition film.
- 16. (Withdrawn) The method of claim 12, wherein the step of oxidizing includes the step of thermally growing silicon dioxide.
- 17. (Withdrawn) The method of claim 12 further comprising the step of forming an electrical component over regions between the dielectric pillars after the step of oxidizing the cap layer.

- 18. (Withdrawn) The method of claim 17 wherein the electrical component comprises a passive device or bonding pad of the semiconductor device.
- 19. (Withdrawn) The method of claim 12, wherein the step of oxidizing is performed after the step of depositing a dielectric onto the walls of the pillars.
- 20. (Withdrawn) The method of claim 19 wherein the dielectric includes chemical vapor deposition film.
- 21. (Withdrawn) The method of claim 12, further comprising the step of forming an active device in an active region of the semiconductor device after the step of oxidizing the cap layer.
- 22. (Withdrawn) A method of fabricating an integrated circuit, comprising the steps of:

etching a first dielectric material deposited within a recessed region to form dielectric pillars; growing a second dielectric material to form a seal over the dielectric pillars; and

forming a passive component over the second dielectric material.

23. (Withdrawn) The method of claim 22, further comprising the step of depositing a semiconductor material over the dielectric pillars prior to the step of etching the first dielectric material.

- 24. (Withdrawn) The method of claim 23, wherein the step of growing a second dielectric material includes the step of oxidizing the semiconductor material.
- 25. (Withdrawn) The method of claim 22, wherein the passive component includes a bonding pad.
- 26. (Currently Amended) A semiconductor device, comprising:
- a semiconductor substrate having a surface formed with a first recessed region;
- a first dielectric material deposited in the first recessed region and formed with a second recessed region having an opening and walls; and
- a first semiconductor layer deposited over the first dielectric material; and
- a second dielectric material thermally grown on the first semiconductor layer to form a seal within the opening, wherein the seal is formed by converting at least a portion of a semiconductor cap layer to the second dielectric material, and wherein the semiconductor cap layer is formed adjacent the opening prior to forming the seal.to seal the second recessed region, wherein a wall of the second recessed region is substantially absent second dielectric material.
- 27. (Currently Amended) The semiconductor device of claim 26, wherein the first-semiconductor layer includes deposited polysilicon the semiconductor cap layer comprises polysilicon.

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- 28. (Previously Presented) The semiconductor device of claim 27, wherein the second dielectric material includes thermally grown silicon dioxide.
- 29. (Previously Presented) The semiconductor device of claim 26, further comprising an active device formed in an active region of the semiconductor substrate.
- 30. (Previously Presented) The semiconductor device of claim 26, further comprising an electrical component formed over the second recessed region.
- 31. (Previously Presented) The semiconductor device of claim 30, wherein the electrical component comprises a passive device or bonding pad of the semiconductor device.
- 32. (Previously Presented) The semiconductor device of claim 26, wherein the second recessed region is formed having a third dielectric material deposited on the walls.

 33. (Previously Presented) The semiconductor device of claim 32, wherein the third dielectric material includes silicon nitride.

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